

Shaurya Chandhoke

Senior Software Engineer

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SKILLS

Machine Learning: Deep Learning, Natural Language Processing, Computer Vision, AI, Data Science, Big Data

Software Engineering: Agile, CI/CD, OOP, TDD, Serverless, Microservice, Distributed Computing

Technologies: AWS, RabbitMQ, Jenkins, Jira, Docker, Kubernetes, GQL, TensorFlow, PyTorch, Scikit-learn

Programming: Python, JavaScript, TypeScript, HTML, CSS, Sass, R, Java, C++, SQL, Bash, Julia, Rust, Kotlin

WORK EXPERIENCE

JPMorgan Chase & Co, Jersey City, NJ

Senior Software Engineer, Credit Risk Reporting

Dec 2023 – Present

- Refactored legacy Java service utilizing IBM MQ broker and PubSub architecture, streamlining asynchronous processing of live credit events
- Upgraded monolithic credit risk Java app to Spring Boot MVC framework, enhancing batch processing of data for accelerated ad hoc queries against data resources
- Spearheaded migration effort from SAP Sybase IQ to Gaia database platform, improving data warehousing capabilities and performance for various infrastructure services

ADP, Roseland, NJ

Senior Software Engineer, Marketplace

Sept 2023 – Dec 2023

Software Engineer, API Tooling

Aug 2020 – Sept 2023

Software Engineering Intern

May 2019 – Aug 2019

- Constructed modular ML API recommendation system using AWS SageMaker, driving a 10% increase in user conversion rates within early Q1
- Directed collaboration effort with engineers to migrate on-premise apps to AWS EC2, Lambda, and S3 to cut down operating costs by 17% in first few weeks of FY24
- Developed API dictionary tool using Spring Boot and GraphQL to generate API metadata, yielding a 35% boost in API documentation retrievals within days of initial tool deployment
- Generated monthly big data Python reports using Spark and Databricks to analyze user web app behavior, resulting in 12%-15% reduction in negative user feedback scores within 2022
- Optimized Angular web app in parsing large JSON documents, reducing page load time by 10-20 seconds and increasing app responsiveness since early FY21 Q3
- Collaborated with engineers using IBM Watson for Slack NLP, gaining 100% adoption of solution in alpha stage from test groups between May and June 2019

New Jersey Institute of Technology, Newark, NJ

Embedded Computing Research Assistant

Jan 2018 – Dec 2018

- Formulated C++ SLAM algorithm for lidars on NVIDIA Jetson boards enabling autonomous traversal decisions within 200ms, achieving low-latency solution for NJDOT
- Crafted data communication protocol for A2 lidar and Zumo robot, publishing system design to university research department
- Produced cost-effective Qt pothole mapping app using lidar data streaming pipelines, earning a \$10,000 TechQuest innovation grant in April 2018

EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Master of Science, Machine Learning

Sept 2020 – May 2023

New Jersey Institute of Technology, Newark, NJ

Bachelor of Science, Computer Science

Sept 2016 – May 2020